GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:4776
ANSWERED ON:15.12.2016
Electricity Consumption
Adsul Shri Anandrao

Will the Minister of POWER be pleased to state:

(a) whether according to a study the renewed Demand Side Management (DSM) market potential is envisaged to deliver 178 billion units of electrical energy savings per annum that roughly translates into 18-20 per cent of the current levels of all India annual electricity consumption and 150 million tonnes of annual CO2 emissions reduction potential, if so, the facts thereof;

(b) whether the World Bank has pegged India"s energy efficiency market at
Rs.1.6 lakh crore, if so, the details thereof;

(c) whether World Bank has placed five States as top States in terms of overall energy efficiency implementation readiness, if so, the names of these States;

(d) whether the Union Government has fixed an achievable energy saving targets against the identified energy efficiency interventions, if so, the details thereof; and

(e) the steps taken by the Union Government to achieve the aforesaid target?

Answer

THE MINISTER OF STATE (INDEPENDENT CHARGE) FOR POWER,
COAL, NEW & RENEWABLE ENERGY AND MINES

(SHRI PIYUSH GOYAL)

(a) to (c) : Yes, Madam. The World Bank has carried out a study titled, "Utility Scale DSM Opportunities and Business Models in India", wherein the renewed Demand Side Management (DSM) market potential is estimated to be 178 billion kWh of energy savings per annum, which roughly translates into 18-20 percent of the current levels of all India annual electricity consumption and 150 million tonnes of annual CO2 emissions reduction potential. The study has pegged India's energy efficiency market at 1.6 Lac Crore. Further, the study has placed 5 States, namely, Andhra Pradesh, Rajasthan, Karnataka, Maharashtra, and Kerala, in terms of their overall energy efficiency implementation readiness.
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(d) & (e) : The Ministry of Power, Government of India has fixed energy savings targets for XII Plan period (2012-17) as 60.5 BU (billion units) through various energy efficiency interventions. In order to achieve the energy saving targets, the following interventions have been implemented:-

(i) Standards & Labeling programme for appliances to provide the consumer an informed choice about the energy saving and thereby the cost saving potential of the relevant marketed product.

(ii) Prescription of Specific energy consumption norms for energy intensive industries notified as designated consumers and implemented through Perform Achieve and Trade (PAT) Scheme.

(iii) Formulation of Energy Conservation Building Codes (ECBC) for energy efficiency improvement in commercial buildings.

(iv) Design-guidelines for energy efficiency in multi-storied residential buildings.

(v) Demand Side Management (DSM) in Municipal, Household, Agricultural and Small & Medium Enterprise (SME) sectors.

(vi) Strengthening of State Designated Agency for Energy Efficiency.

(vii) Promotion of energy efficient LED lamps through DSM based Unnat Jyoti Affordable LEDs for All (UJALA) & Street Lighting National Programme (SLNP).

(viii) Promotion of Energy Efficient Fans and Agriculture pumpsets.

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